USING INTERNET PROTOCOL (IP) IN RADIO ACCESS NETWORK

Patent number: EP1269708
Publication date: 2003-01-02

Inventor: KARLANDER BO (SE); VILANDER HARRI (FI);

COMSTOCK DAVID (US); SAMUELSON KRISTER (SE)

Applicant: ERICSSON TELEFON AB L M (SE)

Classification:

- international: H04Q7/22; H04Q7/22; (IPC1-7): H04L29/06; H04Q7/22

- european: H04Q7/22S3P

Application number: EP20010904708 20010206

Priority number(s): WO2001SE00215 20010206; US20000181083P

20000208; US20000734040 20001212

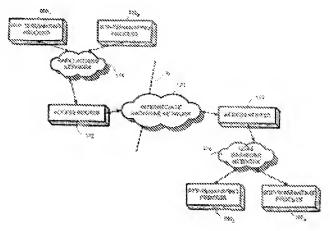
Also published as:

W O0160023 (A1)
US 2004010609 (A1)

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Abstract not available for EP1269708
Abstract of corresponding document: **US2004010609**

A telecommunications system has a protocol architecture over an interface between nodes of the telecommunications system, the protocol architecture including Internet Protocol as a protocol above a link layer protocol in a transport network layer. The protocol architecture can be used over one or more of several interfaces, including the interface between a radio access network and a core network [lu Interface]; the interface between radio network controllers (RNCs) and the base stations (BSs) served thereby [lub Interface]; and the interface between a Source RNC (SRNC) and a Drift RNC (DRNC) [lub Interface]. A new XTP Protocol is proposed as another aspect of the invention, which is usable in a protocol stack for the lu-PS (packet switched) implementation as well as over the lu-CS, lub, and lur Interfaces.



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